



PTO/SB/08a/b (07-06)  
Approved for use through 09/30/2006. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO  <b>SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>			<b>Complete if Known</b>		
			Application Number	10/712,425	
			Filing Date	November 13, 2003	
			First Named Inventor	Lee	
			Art Unit	1631	
			Examiner Name	Lin, Jerry	
Sheet	1	of	3	Attorney Docket Number	EPT-001C1

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
JL	A6	4,478,744	10/23/1984	Mezzi <i>et al.</i>	
	A7	6,113,897	9/5/2000	Dano <i>et al.</i>	
	A8	6,225,047	5/1/2001	Hutchens	
	A9	2004/0229284	11/18/2004	Luciw <i>et al.</i>	
	A10	2005/0214304	9/29/2005	Pastan <i>et al.</i>	
	A11	5,955,317	9/21/1999	Suzuki <i>et al.</i>	
	A12	2003/0054408 A1	3/20/2003	Ravi <i>et al.</i>	
	A13	5,708,155	1/13/1998	Potter <i>et al.</i>	
	A14	5,763,158	6/9/1998	Bohannon <i>et al.</i>	
	A15	5,790,155	8/4/1998	Usui <i>et al.</i>	
	A16	5,798,155	8/25/1998	Yanagawa <i>et al.</i>	
	A17	5,872,234	2/16/1999	Bandman <i>et al.</i>	
	A18	5,961,923	10/5/1999	Nova <i>et al.</i>	
	A19	6,261,569	7/17/2001	Comis <i>et al.</i>	
	A20	6,420,125	7/16/2002	Fledelius <i>et al.</i>	
	A21	2002/0042386 A1	4/11/2002	Rosen <i>et al.</i>	
	A22	2002/0055186 A1	5/9/2002	Barry <i>et al.</i>	
	A23	2002/0081617 A1	6/27/2002	Buranda <i>et al.</i>	
	A24	2002/0110843 A1	8/15/2002	Dumas	
	A25	2003/0028330 A1	2/6/2003	Cheng <i>et al.</i>	
	A26	2003/0032039 A1	9/12/2002	Cunningham <i>et al.</i>	
	A27	2003/0044862 A1	3/6/2003	Giaccia <i>et al.</i>	
	A28	2004/0038307 A1	02/26/2004	Lee <i>et al.</i>	
	A29	2005/0069911 A1	03/31/2005	Lee <i>et al.</i>	
	A30	2006/0014212 A1	01/19/2006	Benkovic <i>et al.</i>	
	A31	2006/0035270 A1	02/16/2006	Lee <i>et al.</i>	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>5</sup>
		Country Code <sup>2</sup> -Number <sup>3</sup> -Kind Code <sup>4</sup> (if known)	MM-DD-YYYY			
JL	B4	DE 40 23 945	1/30/1992		(trans. abstract only)	X
	B5	EP 0 337 057	1/23/1989		(trans. abstract only)	X
	B6	EP 0 267 355	3/27/1987		(trans. abstract only)	X
	B7	WO 05/50223	6/2/2005	Epitome Biosystems, Inc.		
	B8	WO 05/78453	8/25/2005	Epitome Biosystems, Inc.		
	B9	JP 07-285999 A	10/31/1995	Prima Meat Packers Ltd.		X
	B10	WO 02/06834 A	1/24/2002	Pointilliste, Inc.		
	B11	WO 99/39210 A	8/5/1999	Miller		

Examiner Signature	/Jerry Lin/	Date Considered	11/30/2006
--------------------	-------------	-----------------	------------

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO  <b>SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>			<b>Complete if Known</b>		
			Application Number	10/712,425	
			Filing Date	November 13, 2003	
			First Named Inventor	Lee	
			Art Unit	1631	
			Examiner Name	Lin, Jerry	
Sheet	2	of	3	Attorney Docket Number	EPT-001C1

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>	
JL	C14	Amheiter <i>et al.</i> (1981) "Physiochemical and Antigenic Properties of Synthetic Fragments of Human Leukocyte Interferon," <i>Nature</i> 294: 278-80.		
	C15	Armon (1991) "Synthetic Peptides as the Basis for Vaccine Design," <i>Molecular Immunology</i> 28(3): 209-215.		
	C16	Barbas III <i>et al.</i> (1991) "Assembly of Combinatorial Antibody Libraries on Phage Surfaces: The Gene III Site," <i>PNAS USA</i> 88: 7978-7982.		
	C17	Barry <i>et al.</i> (2003) "Competitive Assay Formats for High-Throughput Affinity Arrays," <i>J. Biomol. Screen.</i> 8(3): 257-263.		
	C18	Borreback (2000) "Antibodies in Diagnostics - From Immunoassays to Protein Chips," <i>Immunology Today</i> 21(8): 379-381.		
	C19	Chames <i>et al.</i> (2000) "Antibody Engineering and its Applications in Tumor Targeting in Intracellular Immunization," <i>FEMS Microbiology Letters</i> 189: 1-8.		
	C20	Chou <i>et al.</i> (1974) "Prediction of Protein Conformation," <i>Biochemistry</i> 13(2): 222-245.		
	C21	Devereux <i>et al.</i> (1984) "A Comprehensive Set of Sequence Analysis Programs for the VAX," <i>Nucleic Acids Research</i> 12 (1): 387-395.		
	C22	Erali <i>et al.</i> (1996) "ELISA for Thyroglobin in Serum: Recovery Studies to Evaluate Autoantibody Interference and Reliability of Thyroglobin Values," <i>Clinical Chemistry</i> 42: 766-770.		
	C23	European Supplementary Search Report for EP/N 03808371, completed 06/01/2006, dated 06/12/2006 (7 pages).		
	C24	Harper <i>et al.</i> (1998) Two-Dimensional Gel Electrophoresis, Unit 10.4, <i>Current Protocols in Protein Science</i> , pgs. 10.4.1 to 10.4.36.		
	C25	Haupt <i>et al.</i> (1998) "Plastic Antibodies: Developments and Applications," <i>Trends Biotech.</i> 16: 468-475.		
	C26	Hellmold <i>et al.</i> (2002) "Identification of End Points Relevant to Detection of Potentially Adverse Drug Reactions," <i>Toxicology Letters</i> 127: 239-243.		
	C27	Hemminki <i>et al.</i> (1998) "Fine Tuning of an Anti-Testosterone Antibody Binding Site by Stepwise Optimisation of the CDRs," <i>Immunotechnology</i> 4: 59-69.		
	C28	Hennig (1998) "WinPep-ein Programm zur Analyse von Aminosäuresequenzen," <i>Biospektrum</i> 4(5): 49-50.		
	C29	Hoogenboom <i>et al.</i> (1998) "Antibody Phage Display Technology and its Applications," <i>Immunotechnology</i> 4: 1-20.		
	C30	Hoogenboom <i>et al.</i> (2000) "Natural and Designer Binding Sites Made by Phage Display Technology," <i>Immunology Today</i> 21(8): 371-378.		
	C31	Hopp <i>et al.</i> (1983) "A Computer Program For Predicting Protein Antigenic Determinants," <i>Molecular Immunology</i> 20(4): 483-489.		
	C32	International Search Report for PCT/US2003/014846, mailed on 11/20/2004 (2 pages).		
	C33	International Search Report for PCT/US2004/038283, mailed on 12/22/2005 (6 pages).		
	C34	International Search Report for PCT/US2005/003634, mailed on 09/16/2006 (2 pages).		
JL	C35	Kuruvilla <i>et al.</i> (2002) "Dissecting Glucose Signaling with Diversity-Oriented Synthesis and Small-Molecule Microarrays," <i>Nature</i> 416: 653-657.		
	C36	Kyte <i>et al.</i> (1982) "A Simple Method for Displaying the Hydrophobic Character of a Protein," <i>J. Mol. Biol.</i> 157: 105-132.		
	C37	Lesko <i>et al.</i> (2001) "Use of Biomarkers and Surrogate Endpoints in Drug Development and Regulatory Decision Making: Criteria, Validation, Strategies," <i>Annu. Rev. Pharmacol. Toxicol.</i> 41: 347-366.		
	C38	Li (2000) "Applications of Display Technology in Protein Analysis," <i>Nature Biotechnology</i> 18: 1251-1256.		
	C39	Lizardi <i>et al.</i> (1998) "Mutation Detection and Single Molecule Counting Using Isothermal Rolling Circle Amplification," <i>Mat. Genet.</i> 19: 225-232.		
	C40	Maggio (1980) Enzyme-immunoassay, pgs. 53-70.		

Examiner Signature	/Jerry Lin/	Date Considered	11/30/2006
--------------------	-------------	-----------------	------------

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO		<b>Complete if Known</b>			
<b>SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>		Application Number	10/712,425		
		Filing Date	November 13, 2003		
		First Named Inventor	Lee		
		Art Unit	1631		
		Examiner Name	Lin, Jerry		
Sheet	3	of	3	Attorney Docket Number	EPT-001C1

JL	C41	Mariani <i>et al.</i> (1987) "Immunogenicity of a Free Synthetic Peptide: Carrier Conjugation Enhances Antibody Affinity for the Native Protein," <i>Molecular Immunology</i> 24(3): 297-303.	
	C42	Marks <i>et al.</i> (1992) "By-Passing Immunization: Building High Affinity Human Antibodies by Chain Shuffling," <i>Bio/Technology</i> 10: 779-783.	
	C43	Michaud <i>et al.</i> (2003) "Analyzing Antibody Specificity with Whole Proteome Microarrays," <i>Nat. Biotech.</i> 21(12) 1509-12 (e-publication 11/9/03).	
	C44	Nelson <i>et al.</i> (2000) "Demystified... Monoclonal Antibodies," <i>J. Clin. Pathol.: Mol. Pathol.</i> 53: 111-117.	
	C45	Ohlin <i>et al.</i> (1996) "Light Chain Shuffling of a High Affinity Antibody Results in a Drift in Epitope Recognition," <i>Molecular Immunology</i> 33(1): 47-56.	
	C46	Rosenkranz (2003) "Biomarkers and Surrogate Endpoints in Clinical Drug Development," <i>Applied Clinical Trials</i> , pgs. 30-34, 40.	
	C47	Schweitzer <i>et al.</i> (2002) "Multiplexed Protein Profiling on Microarrays by Rolling-Circle Amplification," <i>Nat. Biotechnol.</i> 20: 359-365.	
	C48	Scrivener <i>et al.</i> (2003) "Peptidomics: A New Approach to Affinity Protein Microarrays," <i>Proteomics</i> 3: 122-128.	
	C49	Shea <i>et al.</i> (1993) "Immunologic Detection and Measurement of Glycated Apolipoprotein B with Site Specific Monoclonal Antibodies," <i>J. Immunol. Methods</i> 162(1): 85-95.	
	C50	Soderlind <i>et al.</i> (1999) "Complementary-Determining Region (CDR) Implantation: A Theme of Recombination," <i>Immunotechnology</i> 4: 279-285.	
	C51	Soderlind <i>et al.</i> (2000) "Recombining Germline-Derived CDR Sequences for Creating Diverse Single-Framework Antibody Libraries," <i>Nature Biotechnology</i> 18: 852-856.	
	C52	Soloviev <i>et al.</i> (2003) "Combinatorial Peptidomics: A Generic Approach for Protein Expression Profiling," <i>J. of Nanobiotechnology</i> 1: 1-19.	
	C53	Vlatakis <i>et al.</i> (1993) "Drug Assay Using Antibody Mimics Made by Molecular Imprinting," <i>Nature</i> 361: 645-647.	
	C54	Weckwerth (2003) "Metabolomics in Systems Biology," <i>Annu. Rev. Plant Biol.</i> 54: 669-689.	
	C55	Werkmeister <i>et al.</i> (1991) "Multiple Antigenic Determinants on Type III Collagen," <i>Biochem. J.</i> 274: 895-898.	

LIBC/2851039.1

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature	/Jerry Lin/	Date Considered	11/30/2006
--------------------	-------------	-----------------	------------